



ELECTRONIC TUBE REFERENCE

GE18651

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Metal-ceramic planar triode designed for pulsed broadband microwave oscillator or amplifier service. Its compact low-inductance construction and high transconductance support operation into the multi-gigahertz region in professional pulse and communications systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 550 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.022 S
AMPLIFICATION FACTOR	58
MAXIMUM PLATE VOLTAGE	2500 V
MAXIMUM PLATE DISSIPATION	6.5 W
<i>Bogey average characteristics promoted. On pulsed-only sheets MaxPlateVoltage records the highest explicitly published peak positive-pulse plate-supply rating; pulse-duration conditions remain in parameters.</i>	

The GE18651 is a planar ceramic-metal triode for long-life plate-pulsed oscillator or amplifier service to 6000 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1968 GENERAL ELECTRIC CO

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Bogey Amplification Factor	58	—
Bogey Transconductance	22000 μS	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate/Supply Voltage	2500 V	See source for CW/pulse-duration conditions
Maximum Plate Dissipation	6.5 W	—